

Corby Borough Council

Environmental Services

Working towards a Cleaner Environment

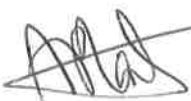
ENVIRONMENTAL PERMIT

Environmental Permitting Regulations 2010
(as amended)

Installation Address

Ball and Young
Unit 54 Causeway Road
Corby
Northamptonshire
NN17 4DU

Ball and Young Ltd is hereby permitted by Corby Borough Council to carry on a Flame Bonding Process as prescribed in Section 4.1 Organic Chemicals Part B of Schedule 1, of The Environmental Permitting Regulations 2010 (as amended) as described below and within the installation boundary as marked red on the attached plan and in accordance with the conditions detailed in this Permit.

Signed  AMY RANK Date 4/2/2016

Authorised Officer of the Council

Environmental Protection & Waste Services Housing Manager

Contact Details: Corby Borough Council, Planning and Environmental Services,
Deene House, New Post Office Square, Corby, Northants,
NN17 1GD

Tel: 01536 464075 Fax: 01536 464644

Permit Holder:		Ball & Young Ltd
Installation Address:	Unit 54 Causeway Road, Earlstrees Industrial Estate, Corby Northamptonshire NN17 4DU	
Registered Address of Company:	Oldham Road Middleton Manchester M24 2DB	
	Ball and Young Ltd. is a Vita Group Company. Registration No 00901282.	

Provenance	Date
Environment Agency notified change	31 st March 2013
Draft Permit Issued	12 th August 2014
Revised draft permit issued	5 th January 2016
Permit issued	4 th February 2016

Process Description

The flame bonding process involves bonding flexible polyurethane foam in roll or sheet form and backing materials (paper, polyethylene, polyester, polypropylene and other substrates). Flexible foam between 2 & 15mm is passed over a propane gas burner at speeds up to 40 metres per minute. This melts and degrades the surface of foam allowing it be bonded to a supporting substrate when it passes through a series of nip rollers

The flame bonding processes involves the following discharges to atmosphere:

- Stack A1 - stack emissions following abatement of bonding fumes
- Stack A2 - flame bonding local exhaust ventilation

**Pollution Prevention and Control Act 1999
Environmental Permitting Regulations 2010 (as amended)**

The conditions contained within this Permit are based upon Process Guidance Note PG 6/29 (12) Statutory Guidance for Di-isocyanate Processes

The requirements of the conditions attached to this permit shall come into effect on the date indicated in the individual condition or if no date is indicated shall take effect forthwith.

Emission Limits

1. Emissions of the substances listed in table 3 must be controlled.

Table 3: Emission limits, monitoring and other provisions					
Row	Substance	Source	Emission limit/provisions	Type of monitoring	Monitoring frequency
1	Di-isocyanate as total NCO group	Abated emissions	0.1 mg/Nm ³ averaged over any 2-hour period whilst plant is in operation	Quantitative	Annual
2	VOC (expressed as total carbon excluding particulate matter)	Abated emissions	100 mg/Nm ³ as 30 minute mean (see Note 1)	Quantitative	Annual
3	Particulate matter	Abated emissions	50 mg/Nm ³	Indicative	Continuous during normal operation
<p>Note 1 – some activities may just emit HFCs or pentane (which are used as blowing agents) and no other VOCs. In these cases neither the emission limit nor the monitoring provisions in Row 2 should be applied. If any other VOCs are emitted, such as methylene chloride, the provisions in Row 2 are applicable, unless the amounts of these other VOCs are so small that they are unlikely to have more than a trivial environmental impact.</p>					
4	Substances used as blowing agents	<ul style="list-style-type: none"> Identify and record substances used as blowing agents on site, including the ODP, GWP and POCP figures (see paragraph 3.5) for each substance (see also Section 7). Record annual usage of individual substances used as blowing agents to be made available to the Regulator upon request 			

2. The introduction of dilution air to achieve emission limits concentration is not permitted.

Monitoring, investigating and reporting

3. The Operator shall keep records of inspections, tests and monitoring, including all non-continuous monitoring, inspections and visual assessments. The records shall be:
 - a. kept on site by the Operator for at least two years and
 - b. made available for the Regulator to examine when required.
4. The Operator shall notify the Regulator at least 7 days before any periodic monitoring exercise to determine compliance with emission limit values. The Operator should state the provisional time and date of monitoring, pollutants to be tested and the methods to be used.
5. The results of non-continuous emission testing shall be forwarded to the Regulator within 8 weeks of completion of the sampling.
6. Adverse results from any monitoring activity (both continuous and non-continuous) should be investigated by the Operator as soon as the monitoring data has been obtained. The Operator should:
 - a. identify the cause and take corrective action

- b. clearly record as much detail as possible regarding the cause and extent of the problem, and the remedial action taken.
- c. re-test to demonstrate compliance as soon as possible; and inform the Regulator of the steps taken and the re-test results.

Visible Emissions

7. Emissions from combustion processes should in normal operation be free from visible smoke. During start up and shut down the emissions should not exceed the equivalent of Ringelmann Shade 1 as described in British Standard 2742:2009.
8. All emissions to air should be free from droplets.
9. All other releases to air, other than condensed water vapour, should be free from persistent visible emissions.

Abnormal Events

10. In the case of abnormal emissions, malfunction or breakdown leading to abnormal emissions the Operator should:
 - a. investigate and undertake remedial action **immediately**;
 - b. adjust the process or activity to minimise those emissions; and
 - c. promptly record the events and actions taken.
11. The Regulator should be informed without delay, whether or not there is related monitoring showing an adverse result:
 - a. if there is an emission that is likely to have an effect on the local community; or
 - b. in the event of the failure of key arrestment plant
12. The Operator should provide a list of key arrestment plant and a written procedure for dealing with its failure to the Regulator by 31st March 2016.

Continuous monitoring

13. All continuous monitoring readings should be on display to appropriately trained operating staff.
14. Instruments should be fitted with audible and visual alarms, situated appropriately to warn the Operator of arrestment plant failure or malfunction.
15. The activation of alarms should be automatically recorded.
16. All continuous monitors should be operated, maintained and calibrated (or referenced, in the case of indicative monitors) in accordance with the manufacturers' instructions, which should be made available for inspection by the regulator. The relevant maintenance and calibration (or referencing, in the case of indicative monitors) should be recorded.

17. Any continuous emissions monitor (CEM) used should provide reliable data >95% of the operating time (i.e. availability >95%). A manual or automatic procedure should be in place to detect instrument malfunction and to monitor instrument availability.
18. The Operator should ensure that relevant stacks or ducts are fitted with facilities for sampling which allow compliance with the sampling standards.
19. All spillages should be cleared as soon as possible; solids by vacuum cleaning, wet methods, or other appropriate techniques. Dry sweeping of dusty spillages is not permitted.

Training

20. All staff whose functions could impact on air emissions from the activity must receive appropriate training on those functions to include:
 - a. awareness of their responsibilities under the permit
 - b. steps that are necessary to minimise emissions during start up and shut down
 - c. actions to take when there are abnormal conditions, or accidents or spillages that could, if not controlled, result in emissions.
21. The Operator shall maintain a statement of training requirements for each post with the above-mentioned functions and keep a record of the training received by each person. These documents should be made available to the Regulator on request.

Maintenance

22. The Operator shall have the following available for inspection by the Regulator:
 - a. A written maintenance programme for all pollution control equipment ;
and
 - b. A record of maintenance that has been undertaken.

Best available techniques

23. The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the installation which is not regulated by any other condition of this permit.

Process changes

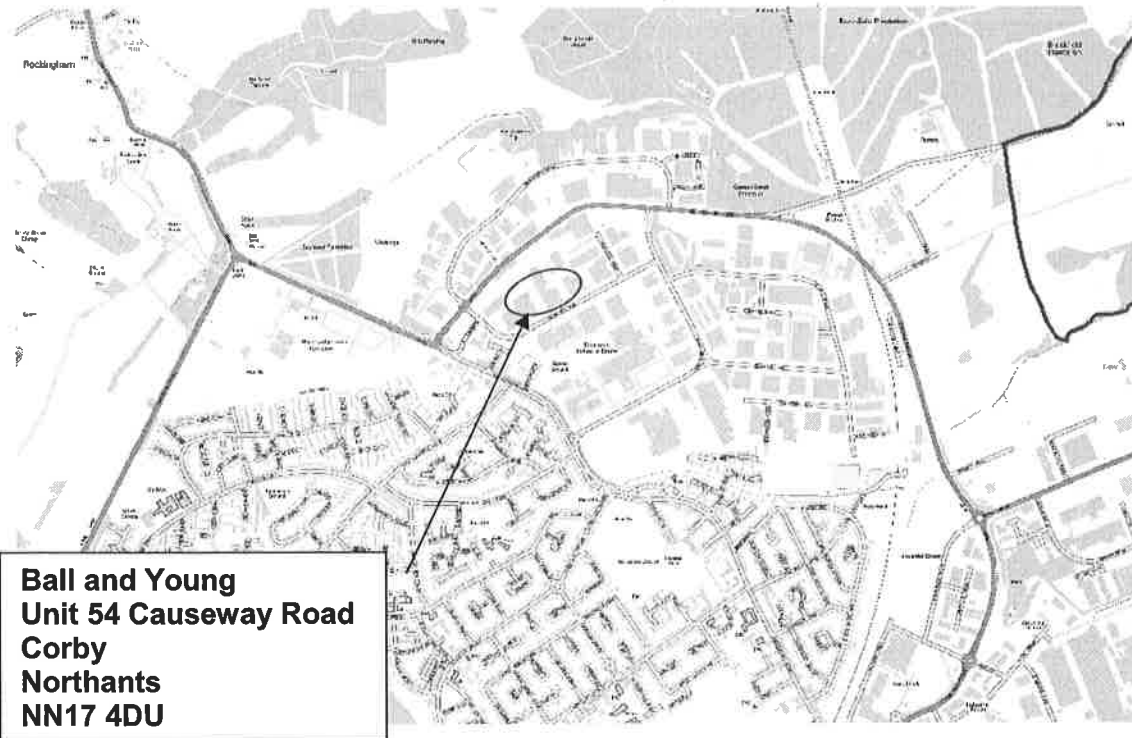
24. If the Operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

Right to appeal

You have the right of appeal against this permit within 6 months of the date of the decision. The Council can tell you how to appeal. You will normally be expected to pay your own expenses during an appeal. You will be liable for prosecution if you fail to comply with the conditions of this permit. If found guilty, the maximum penalty for each offence if prosecuted in a Magistrates Court is £50,000 and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or 5 years imprisonment.

Our enforcement of your permit will be in accordance with the Regulators' Compliance Code.

Site Location Map



Site Plan

— Site boundary in red

